<u>Claims</u>

1	1. A method of making mutacin I protein comprising culturing a
2	microorganism transformed with DNA (SEQ ID No: 1) encoding for mutacin I
3	protein and recovering mutacin I protein.
1	2. A method according to claim 1, wherein said culturing step
2	comprises disposing the microorganisms on a membrane.
1	3. A method according to claim 2 wherein said culturing step
2	comprises contacting the membrane having the microorganism thereon with a
3	growth media.
1	4. A method according to claim 3, further comprising the step of
2	freezing the growth media having the microorganism thereon and then thawing
3	the growth media.
1	5. A method according to claim 4, further comprising the step of
2	separating a liquid fraction of the growth media from a solid fraction of the
3	growth media.

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- 1 6. A method according to claim 5, wherein said recovery step 2 comprises the step of chromatographically separating the mutacin I from the 3 liquid fraction.
- 7. A process for the production of mutacin I having part or all of
 the primary structural conformation and biological activity of bacterial mutacin
 I, said process comprising: growing, under suitable conditions, prokaryotic or
 eukaryotic host cells transformed or transfected with a DNA sequence
 according to claim 1 in a manner allowing expression of said mutacin I
 product; and isolating the mutacin I product of the expression of said DNA
 sequence.
 - 8. A mutacin I protein product of the expression in a prokaryotic or eukaryotic host cell of DNA according to claim 7.
 - 9. A method of treating or preventing an infection in a subject, said method comprising administering to said subject an effective amount of a purified and isolated peptide having the amino acid sequence as set forth in SEQ ID No: 2, or a pharmaceutically acceptable salt, amide, ester, or prodrug thereof.
- 1 10. A method according to claim 9, wherein the peptide is 2 administered orally.

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1	11. A method according to claim 9, wherein the peptide
2	administered topically.
1	12. A method according to claim 9, wherein the peptide is applie
2	to a surface of a medical device.
1	13. A method according to claim 12, wherein the medical device
2	a catheter.
1	14. A method according to claim 12, further including the step of
2	coating the medical device with the peptide prior to contacting the subject
3	therewith.
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